

1 1. (currently amended) A bone plate of complex form, suitable for use in osteotomy, the bone
2 plate having a longitudinal axis, a bone-contacting bottom side and a top side with at least two
3 ~~sets of complex apertures each comprised of at least one set of two overlapping holes each having~~
4 ~~multifaceted surfaces, the holes communicating which communicate~~ through the plate from the top
5 to the bottom side, ~~wherein the sets of overlapping holes define threaded apertures having~~
6 ~~multifaceted surfaces, and wherein, when applied, at least one set of two adjacent two sets of such~~
7 overlapping holes ~~is are~~ located so as to lie on opposite sides of an osteotomy site and a third hole
8 is aligned at an angle with respect to the longitudinal axis.

1 2. (currently amended) The bone plate of claim 1, wherein the ~~threaded apertures are~~ positioned
2 so as to be on either side of the point of osteotomy when applied to bone and include wide bevels
3 on a far end ~~of the aperture~~ away from the osteotomy site.

1 3. (currently amended) The bone plate of claim 1, wherein bone plate further includes at least one
2 locking bone peg having a threaded head which locks with the ~~multifaceted surface threads~~ of a
3 corresponding ~~threaded overlapping hole of an~~ aperture, thereby better ensuring rigid fixing of a
4 fracture when using pegs having a body without threads.

1 4. (currently amended) The bone plate of claim 1, wherein the multifaceted surfaces are threaded
2 ~~surfaces threads.~~ .

1 5. (original) The bone plate of claim 1, wherein the bone plate includes at least one round hole
2 having a corresponding countersink, the countersink being axially offset from an orientation
3 perpendicular to the top surface by a predetermined angle.

1 6. (original) The bone plate of claim 5, wherein the predetermined angle is approximately 25
2 degrees. .

1 7. (currently amended) A bone plate of complex form, suitable for use in osteotomy, the bone
2 plate having

3 (a) a least two axes on which bone screw receiving holes are located including a
4 longitudinal axis and an axis substantially angled therefrom, and

5 (b) a bone-contacting bottom side and a top side with at least two sets of complex
6 apertures each comprised of at least one set of two overlapping holes each having multifaceted
7 surfaces, the holes communicating which communicate through the plate from the top to the
8 bottom side, ~~wherein the sets of overlapping holes define threaded apertures having multifaceted~~
9 ~~surfaces, and wherein, when applied, at least one set of two adjacent sets of overlapping holes is~~
10 ~~are located so as to lie on opposite sides of an osteotomy site.~~

1 8. (currently amended) The bone plate of claim 7, wherein the ~~threaded apertures are positioned~~
2 so as to be on either side of the point of osteotomy when applied to bone and include wide bevels
3 on a far end and near end of the apertures with respect to the osteotomy site.

1 9. (currently amended) The bone plate of claim 7, wherein bone plate further accommodates at
2 least one locking bone peg having an unthreaded body and threaded head which locks with the
3 threads of a corresponding threaded aperture, thereby better ensuring rigid fixing of a fracture.

1 10. (currently amended) The bone plate of claim 7, wherein the multifaceted surfaces are threaded
2 surfaces threads.

1 11. (currently amended) The bone plate of claim 7 wherein a distance between the ~~threaded~~
2 ~~apertures~~ sets of overlapping holes is defined to optimize either closing or opening of wedge
3 femoral osteotomies.

1 12. (original) The bone plate of claim 11 where the distance is approximately 15mm.

1 13. (original) The bone plate of claim 12 where a distal end of the plate forms a natural curve
2 corresponding to the shape of the distal femur in order to minimize the potential of plate overhang.

1 14. (currently amended) An orthopedic kit including:

2 a. ~~A~~ a bone plate of complex form, suitable for use in osteotomy, the bone plate having a
3 longitudinal axis, a bone-contacting bottom side and a top side with at least three ~~sets of complex~~
4 ~~apertures each comprised of at least one set of two overlapping holes each having multifaceted~~
5 ~~surfaces, the holes communicating which communicate~~ through the plate from the top to the
6 bottom side, ~~wherein the sets of overlapping holes define threaded apertures having multifaceted~~
7 ~~surfaces~~, and wherein, when applied, ~~one set of two adjacent sets of such overlapping holes is~~ are
8 located so as to lie on opposite sides of an osteotomy site; and

9 b. at least one bone screw engageable with the bone plate.

1 15. (original) The kit of claim 14, further comprising a drill guide having a main drill guide surface
2 and opposite end portions, one end portion of which is securely engageable with the multi-faceted
3 surface of a hole in the bone plate so as to securely hold the drill guide in a desired orientation
4 with respect to the bone plate for stabilizing a drill used in an orthopedic procedure.

- 1 16. (currently amended) The kit of claim 14, wherein, when a bone plate is applied to a bone, two
2 sets of such overlapping holes are located such that at least one set each ~~so as to~~ lies on opposite
3 sides of an osteotomy site and the third is aligned at approximately 60 degrees with the
4 longitudinal axis.